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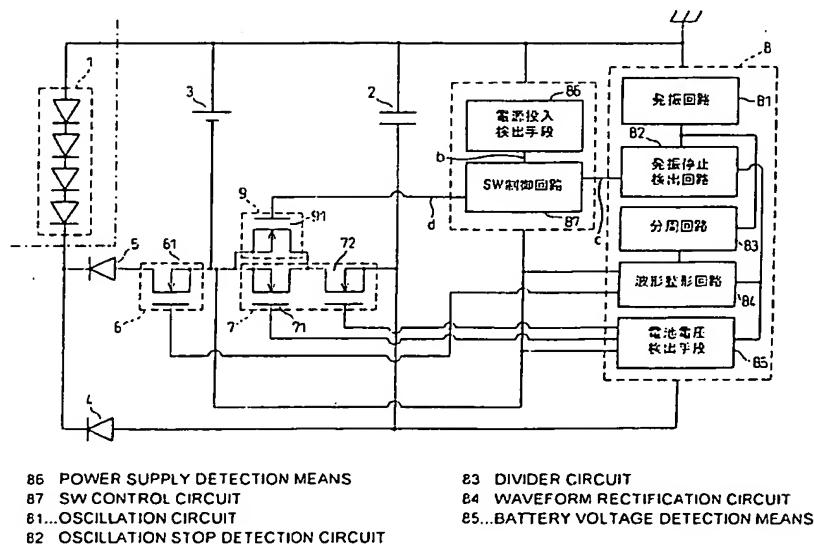
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〒188-8511 東京都西東京市田無町六丁目1番12号 Tokyo (JP).
- (21) 国際出願番号: PCT/JP2003/012016 (72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 村上 哲功 (MURAKAMI, Akiyoshi) [JP/JP]; 〒188-8511 東京都西東京市田無町六丁目1番12号 シチズン時計株式会社内 Tokyo (JP). 船橋 元気 (FUNAHASHI, Motoki) [JP/JP]; 〒188-8511 東京都西東京市田無町六丁目1番12号 シチズン時計株式会社内 Tokyo (JP). 人見 正彦 (HITOMI, Masahiko) [JP/JP]; 〒188-8511 東京都西東京市田無町六丁目1番12号 シチズン時計株式会社内 Tokyo (JP). 永田 洋一 (NAGATA, Yoichi) [JP/JP]; 〒188-8511 東京都西東京市田無町六丁目1番12号 シチズン時計株式会社内 Tokyo (JP).
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- (71) 出願人 (米国を除く全ての指定国について): シチズン時計株式会社 (CITIZEN WATCH CO., LTD.) [JP/JP];

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(54) Title: ELECTRONIC CLOCK

(54) 発明の名称: 電子時計



(57) Abstract: There is provided a charge-type electronic clock which can resume operation of a clock circuit and check the clock operation when power is turned on. The charge-type electronic clock is characterized by including: a first power source (2); a clock circuit (8) connected to the first power source; a power supply detection circuit (86) detecting that a second power source (3) is turned on; switch circuits (7, 9) for connecting the first power source to the second power source; and a control circuit (87) for controlling the switch circuits so as to connect the first power source to the second power source to charge the first power source by the second power source and operate the clock circuit when the power supply detection circuit detects that the second power source is turned on.

(57) 要約: 電源を投入することで時計回路の動作を再開させ、時計動作の確認を行える充電式電子時計を提供する。充電式電子時計は、第1の電源(2)と、第1の電源と接続された時計回路(8)と、第2の電源(3)が投入されたことを検知する電源投入検出回路(86)と、第1の電源と第2の電源を接続するためのスイッチ回路(7、9)と、電源投入検出回路によって第2の電源が投入されたことが検出されたときに、スイッチ回路を制御して第1の電源と第2の電源とを接

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(74) 代理人: 青木 篤, 外(AOKI, Atsushi et al.); 〒105-8423
東京都 港区虎ノ門三丁目5番1号 虎ノ門37森ビ
ル 青和特許法律事務所 Tokyo (JP).

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NL, PT, RO, SE, SI, SK, TR).

2文字コード及び他の略語については、定期発行される
各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12016

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G04G1/00, G04C10/00, H02J9/06, H02J7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G04G1/00, G04G3/00, G04C10/00, H02J7/00-9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 115002/1986 (Laid-open No. 21891/1988) (Rhythm Watch Co., Ltd.), 13 February, 1988 (13.02.88), Full text; all drawings (Family: none)	1-4, 11-13, 20 5-10, 14-19
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 4199/1979 (Laid-open No. 105188/1980) (Nissan Motor Co., Ltd.), 22 July, 1980 (22.07.80), Full text; all drawings (Family: none)	1-20

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
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13 January, 2004 (13.01.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1113347 A2 (SEIKO EPSON CORP.), 04 July, 2001 (4.07.01), Full text; all drawings & JP 2001-153975 A & CN 1298132 A	1-20
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 112427/1986 (Laid-open No. 20097/1988) (Rhythm Watch Co., Ltd.), 09 February, 1988 (09.02.88), Full text; all drawings (Family: none)	5-10, 14-19